



Attorney Docket: 7640-X03-011

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Appln. of: Rachel YERUSHALMI-ROZEN and Oren REGEV

Group Art Unit:

Appln. No.: 10/667,204

Filed: September 18, 2003

For: METHOD FOR THE PREPARATION OF STABLE SUSPENSIONS AND  
POWERS OF SINGLE CARBON NANOTUBES

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria VA 22313-1450

Dear Sir:

Submitted herewith are:

- (1) Copy of International Search Report issued in the counterpart European application;
- (2) Form: PTO/SB/08A; and
- (3) Copies of the publications cited in said PTO/SB/08A.

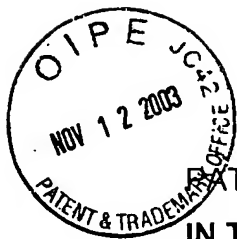
It is requested that an initialled copy of the form PTO/SB/08A be returned to indicate that the publications listed therein have been considered and made of record.

No fee is believed to be due with this submission. However, please charge any required fee (or credit any overpayments of fees) to the Deposit Account of the undersigned, Account No. 500601 (Docket no. 7640-x03-011).

Respectfully submitted,

Martin Fleit, Reg. #16,900

Martin Fleit  
FLEIT KAIN GIBBONS GUTMAN BONGINI & BIANCO, P.L.  
601 Brickell Key Drive Suite 404  
Miami, Florida 33131  
Tel: 305-416-4490; Fax: 305-416-4489  
e-mail: MFleit@FocusOnIP.com



PATENT

Attorney Docket No: 7540-X03-011

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Inventor: Rachel YERUSHALMI-ROZEN and Oren REGEV

Serial No.: 10/667,204

Group Art Unit:

Filed: September 18, 2003

Examiner:

Title: METHOD FOR THE PREPARATION OF STABLE SUSPENSIONS AND  
POWERS OF SINGLE CARBON NANOTUBES

**CERTIFICATE OF EXPRESS MAILING**

PATENTS

EXPRESS "Express Mail" Mailing Label number EV 333608888 US

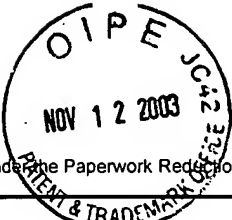
Date of November 12, 2003

I hereby certify that the attached paper(s) or fee(s) is/are being deposited with the United States Postal Services "Express Mail Post Office to Addressee" service under 37 CFR §1.10 on the date indicated above and is addressed to the Commissioner for Patents, P.O.Box 1450, Alexandria, VA 22313-1450.

(Signature of person mailing paper or fee)

MARTIN FLEIT

(Typed or printed name of person mailing paper or fee)



Substitute for form 1449B/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

1

of

2

**Complete if Known**  
**Application Number**

10/667,204

**Filing Date**

September 18, 2003

**First Named Inventor**

Rachel YERUSHALMI-ROZEN

**Art Unit****Examiner Name****Attorney Docket Number**

7640-X03-011

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		BANDYOPADHYAYA, RAJDIP et al., "Stabilization of individual carbon nanotubes in aqueous solutions", NANO LETTERS, 2002, pages 25-28, vol.2, no. 1	
		O'Connell et al., "reversible water-solubilization of single walled carbon nanotubes by polymer wrapping", CHEMICAL PHYSICS LETTERS, July 13, 2001, pages 265-271, vol. 342, no. 3-4	
		SHAFFER et al., "Fabrication and characterization of carbon nanotube/poly(vinyl alcohol) coposites", ADVANCED MATERIALS, Aug. 3, 1999, pages 937-941, vol.11, no.11, VCH Verlagsgesellschaft, Germany	
		CHEN et al., "Plasma activation of carbon nanotubes for chemical modification", JOURNAL OF PHYSICAL CHEMISTRY, Jan. 25, 2001, pages 618-622, vol.105, no.3, ACS, USA	
		MCCARTHY, B. et al., "Complex nano-assemblies of polymers and carbon nanotubes", NANOTECHNOLOGY, 2001, pages 187-190, vol.12, no.3, IOP Publishing, UK	
		VIGOLO, Bridget et al., "Dispersions and fibers of carbon nanotubes", MATERIALS RESEARCH SOCIETY SYMPOSIUM - PROCEEDINGS 2001, November 2000, pages A1211-A1219, vol. 633, Boston, MA, U.S.A.	
		RIGGS, JASON et al., "Optical limiting properties of suspended and solubilized carbon nanotubes", JOURNAL OF PHYSICAL CHEMISTRY, August 2000, pages 7071-7076, vol.104, no.30, Washington D.C., USA	
		SHAFFER, M. et al., "Dispersion and packing of carbon nanotubes", CARBON, 1998, pages 1603-1612, vol. 36, no.11	
		AUSMAN, K. et al., "Organic solvent dispersions of single-walled carbon nanotubes: toward solutions of pristine nanotubes", JOURNAL OF PHYSICAL CHEMISTRY, Sept. 28, 2000, pages 8911-8915, vol.104, no.38	
		M. S. Dresselhaus et al, "Science of Fullerenes and Carbon Nanotubes"; 1996, ACADEMIC PRESS, pages 756-869	

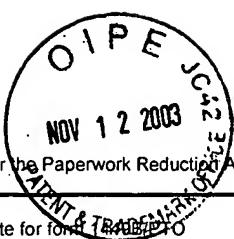
Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		<b>Complete if Known</b>	
		Application Number	10/667,204
		Filing Date	September 18, 2003
		First Named Inventor	Rachel YERUSHALMI-ROZEN
		Art Unit	
Examiner Name		Attorney Docket Number	7640-X03-011
Sheet	2	of	2

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		W.A. de-Heer et al, "Carbon Nanotube Quantum Resistors", SCIENCE 281, Vol. 280, June 12, 1998, pages 1744-1746	
		S.J. Tans et al, "Room-temperature transistor based on a single carbon nanotube", NATURE 386, May 7, 1998, pages 49-52	
		E.W. Wong et al, "Nanobeam Mechanics: Elasticity, Strength, and Toughness of Nanorods and Nanotubes", SCIENCE, Vol. 277, September 26, 1997, pages 1971-1975	
		J. Liu et al, "Fullerene Pipes", SCIENCE, Vol. 280, May 22, 1998, pages 1253-1256	
		S. Sanvito et al, "Fractional Quantum Conductance in Carbon Nanotubes", PHYSICAL REVIEW LETTERS, Vol. 84 No. 9, February 28, 2000, pages 1974-1977	
		P.J. de Pablo et al, "Mechanical and Electrical Properties of Nanosized Contacts on Single-Walled Carbon Nanotubes", ADVANCED MATERIALS, 2000, pages 573-576	
		B. Vigoto et al et al, "Macroscopic Fibers and Ribbons of Oriented Carbon Nanotubes", SCIENCE Vol. 290, November 17, 2000, pages 1331-1334	
		P. Thess et al, "Crystalline Ropes of Metallic Carbon Nanotubes", SCIENCE, Vol. 273, July 26, 1996, 483-487, pages 1-6	

Examiner Signature	Date Considered
-----------------------	--------------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.